

NEW BUILDING 1 FOR CAPTAIN'S QUARTER

**35291 ATLANTIC AVENUE
MILLVILLE DELAWARE**

W. F. HORN ARCHITECT, INC.
LEWES, DELAWARE

317 N. LAYTON AVE.
WYOMING, DELAWARE
302-698-3636



CODE INFORMATION

CODE INFORMATION

BUILDING AREA -600 SQUARE FEET
UNCONDITIONED BUILDING

I. INTERNATIONAL BUILDING CODE - 2021

A. OCCUPANCY CLASSIFICATION -
MODERATE HAZARD STORAGE GROUP S-1

B. INCIDENTAL USE AREAS

1. BOILER AND FURNACE ROOMS - NOT APPLICABLE
2. STORAGE ROOMS OVER 100 SQ. FT. - NOT APPLICABLE

C. GENERAL BUILDING HEIGHTS AND AREAS

1. HEIGHT -
GROUP S-1 - 1 STORY, 40' PERMITTED
HEIGHT MODIFICATIONS NOT REQUIRED
2. AREA -
GROUP S-1 - 9,000 SQUARE FEET PERMITTED
AREA MODIFICATIONS NOT REQUIRED

D. TYPE OF CONSTRUCTION - CONSTRUCTION TYPE VB

1. STRUCTURAL FRAME - 0 HOUR
2. BEARING WALLS, EXTERIOR - 0 HOUR
3. BEARING WALLS, INTERIOR - 0 HOUR
4. NONBEARING WALLS, EXTERIOR - 0 HOUR
5. NONBEARING WALLS, INTERIOR - 0 HOUR
6. FLOOR CONSTRUCTION - 0 HOUR
7. ROOF CONSTRUCTION - 0 HOUR
8. FIRE SEPARATION DISTANCE,
LESS THAN 15 FT. - 1 HOUR
9. UNPROTECTED WALL OPENING,
GREATER THAN 30 FT. - UNLIMITED AREA

E. INTERIOR FINISHES -

1. WALLS AND CEILINGS -
EXIT ACCESS CORRIDORS - CLASS C
ROOMS AND ENCLOSED SPACES - CLASS C
2. FLOOR FINISH - CLASS II
3. DECORATIONS AND TRIM - FLAME RESISTANT

F. MEANS OF EGRESS

1. OCCUPANT LOAD -
WAREHOUSE -
500 SQUARE FEET PER OCCUPANT = 2 OCCUPANTS
2. EGRESS WIDTH -
STAIRWAYS - .3" PER OCCUPANT
OTHER EGRESS COMPONENTS - .2" PER OCCUPANT
3. ACCESSIBLE MEANS OF EGRESS -
ONE REQUIRED
ONE PROVIDED
4. SPACES WITH ONE MEANS OF EGRESS -
MAXIMUM OCCUPANT LOAD - 50
MAXIMUM TRAVEL DISTANT - 75'
5. LENGTH OF EXIT ACCESS TRAVEL -
200 FEET MAXIMUM ALLOWED
80 FEET MAXIMUM PROVIDED
6. SIZE OF DOORS - 32" MINIMUM
EGRESS WIDTH PER OCCUPANT = .2"/PERSON, 34 X .2" =
170 PEOPLE PER DOOR
7. PANIC HARDWARE - NOT REQUIRED
8. LIGHTED EXIT SIGNS - REQUIRED

II. NFPA 101 - 2021

A. CLASSIFICATION OF OCCUPANCY -
STORAGE

B. CLASSIFICATION OF HAZARD OF CONTENTS - ORDINARY HAZARD

C. MINIMUM CONSTRUCTION REQUIREMENTS - NO REQUIREMENT

D. OCCUPANT LOAD - 2 PEOPLE

E. MEANS OF EGRESS -

1. ALL EXITS LOCATED AT LEVEL OF EXIT DISCHARGE
2. ONE EXIT REQUIRED
 - a. 32" MINIMUM CLEAR WIDTH
 - b. MAXIMUM FLOOR VARIATION BOTH SIDES OF DOOR - 1/2"
 - c. SWING IN DIRECTION OF EGRESS TRAVEL
3. PANIC HARDWARE AT EXIT DOORS FROM BUILDING NOT REQUIRED
4. TRAVEL DISTANCE TO EXITS - 150 FEET MAXIMUM
5. EMERGENCY LIGHTS AND LIGHTED EXIT SIGNS REQUIRED

F. PROTECTION -

1. INTERIOR WALL AND CEILING CLASS A, CLASS B OR CLASS C
2. SMOKE DETECTORS AND FIRE ALARM SYSTEM REQUIRED

III. DELAWARE STATE FIRE PREVENTION REGULATIONS -

A. FIRE LANES REQUIRED - LESS THAN 10,000 SQUARE
FEET, SEE SITE PLAN

B. SPRINKLER SYSTEM NOT REQUIRED - FIRE AREAS LESS THAN 10,000 SQUARE
FEET.

IV. ADA

A. ACCESSIBLE SITES -

1. AT LEAST ONE ACCESSIBLE ROUTE PROVIDED
2. ACCESSIBLE PARKING SPACES - EXISTING

B. ACCESSIBLE BUILDING -

1. ONE ACCESSIBLE ROUTE TO ACCESSIBLE SPACES PROVIDED
2. FLOOR SURFACES TO BE SLIP RESISTANT
 - a. CARPET IF PROVIDED - LEVEL LOOP, GLUED INSTALLATION
3. STAIRS - NOT APPLICABLE
4. DOORS - NOT REQUIRED
 - a. CLEAR WIDTH - 32" MINIMUM PROVIDED
 - b. MANEUVERING CLEARANCES - PROVIDED
 - c. THRESHOLDS - 1\2" MAXIMUM HEIGHT PROVIDED
 - d. HARDWARE - LEVER TYPE HARDWARE TO BE PROVIDED
 - e. 50% OF ENTRANCES MUST BE ACCESSIBLE - 100% PROVIDED
5. DRINKING FOUNTAINS - NOT REQUIRED
6. TOILET FACILITIES - NOT REQUIRED

INDEX OF DRAWINGS

T1.1 TITLE SHEET, INDEX AND CODE INFORMATION

A1.1 FLOOR PLANS AND NOTES

A2.1 ELEVATIONS

A3.1 WALL SECTIONS

A3.2 WALL SECTIONS



SIGNATURE OF :
WILLIAM F. HORN, JR.

DATE OF SIGNATURE:
02/09/23

DATE OF REGISTRATION:
EXPIRATION : 01/31/2024

PRINTED
02/09/23

PURPOSE
FOR CONSTRUCTION

THE PROFESSIONAL SERVICES OF THE ARCHITECT
ARE UNDERTAKEN FOR AND ARE PERFORMED IN
THE INTEREST OF DELMARVA BUILDINGS. NO
CONTRACTUAL OBLIGATION IS ASSUMED BY THE
ARCHITECT FOR THE BENEFIT OF ANY OTHER
PERSON INVOLVED IN THE PROJECT.

THE ARCHITECT WHO SEALED, SIGNED AND DATED
THIS DOCUMENT HAS NOT BEEN EMPLOYED TO
FURNISH CONSTRUCTION CONTRACT
ADMINISTRATION SERVICES AS DEFINED IN 24 DEL.
C. 303 (C).

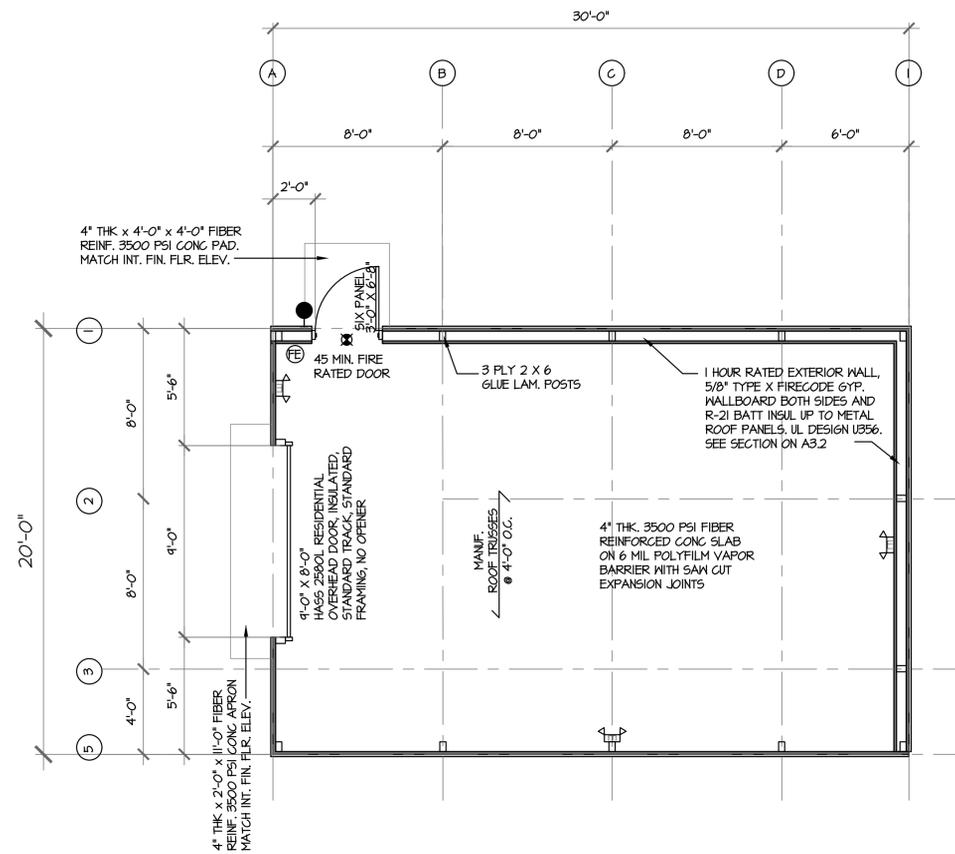
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TITLE SHEET, INDEX
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SHEET NUMBER

T1.1

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1 FLOOR PLAN
1/4" = 1'-0"

FOUNDATIONS

1. PRESUMPTIVE BEARING CAPACITY: 2000 PSF
2. FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON SUITABLE NATURAL SOILS AND/OR NEW COMPACTED STRUCTURAL FILL.
3. ALL ORGANIC MATERIALS EXCESSIVELY SOFT OR LOOSE SOILS, TREES, ASPHALT, CONCRETE, DEBRIS AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED. UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED.
4. AREAS REQUIRING UNDERCUT AND FILL MATERIAL DUE TO THE PRESENCE OF UNSUITABLE MATERIAL SHALL BE BACKFILLED TO THE DESIGN FOOTING SUBGRADE WITH NEW COMPACTED STRUCTURAL FILL.
5. COMPACTED STRUCTURAL FILL FOR BUILDING SUPPORT UTILIZING MATERIAL APPROVED FOR USE INCLUDE:
ON-SITE GRANULAR SOILS INCLUDING GM, GP, GM, SM, SP, ND, SM, CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS). FURTHERMORE, THE MATERIAL TO BE UTILIZED AS STRUCTURAL FILL SHOULD HAVE A PLASTICITY INDEX (PI) LESS THAN 20.
6. COMPACTED STRUCTURAL FILL BENEATH ALL FOUNDATIONS, SLABS ON GRADE AND ADJACENT TO FOUNDATION WALLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS AND BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR TEST.
7. SOILS EXPOSED AT THE BASES OF ALL FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVATIONS SHOULD BE PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. SLOPE FOOTINGS EXCAVATIONS AS REQUIRED FOR STABILITY AND SAFETY OR PROVIDED SHEETING OR SHORING IN ACCORDANCE WITH OSHA REQUIREMENTS IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED FOR ESCALATION, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING AND SHORING REQUIRED FOR THE WORK.
8. UTILITY LINES SHALL NOT PASS UNDER FOOTINGS, STEP FOOTINGS BELOW UTILITY LINES AND SLEEVE WALL.
9. TRENCHES WHICH RUN ADJACENT TO FOOTINGS AND ARE LOWER THAN THE FOOTING BOTTOM AND ARE WITHIN A HORIZONTAL DISTANCE OF 15 TIMES THE ELEVATION DIFFERENCE SHALL BE BACKFILLED WITH 1500 PSI CONCRETE TO THE FOOTING BOTTOM.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 (LATEST EDITION).
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
FOUNDATION: 3500 PSI
GARAGE FLOOR SLABS: 3500 PSI
EXTERIOR WALKS, STEPS, PADS, RAMPS AND CURBS: 3500 PSI
ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED (6+)-1%.
3. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
4. CALCIUM CHLORIDE ADMIXTURES ARE PROHIBITED, USE OF ADMIXTURES SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT.

GENERAL NOTES

1. EXTERIOR WALLS SHALL BE 2X4 WOOD PURLINS @ 2'-0" O.C. HORIZ. W/ 29 GAUGE METAL SALES PAINTED STEEL PANELS.
2. ALL DIMENSIONS ARE TO FACE AND/OR CENTER OF STRUCTURE.
3. EXTERIOR FIBERGLASS SMOOTH SKIN PLASTPRO 2000 INSULATED 6 PANEL ENTRANCE DOOR AND PLASTPRO PF JAMB w/ LEVER TYPE LOCKSET.
4. 12" BUILDING OVERHANG AT EAVES AND 12" BUILDING OVERHANG AT GABLES.

SYMBOLS

- Ⓕ DENOTES FIRE EXTINGUISHER LOCATION, FIRE EXTINGUISHER SHALL BE 2A:10B:C MOUNTED AT 48" TO TOP.
- Ⓕ DENOTES EMERGENCY LIGHT WITH BATTERY BACK UP
- ⓧ DENOTES LIGHTED EXIT SIGN
- ⓧ DENOTES EXTERIOR EMERGENCY LIGHT WITH BATTERY BACK UP

	
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DATE OF REGISTRATION: EXPIRATION : 01/31/2024	

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FLOOR PLAN
AND NOTES

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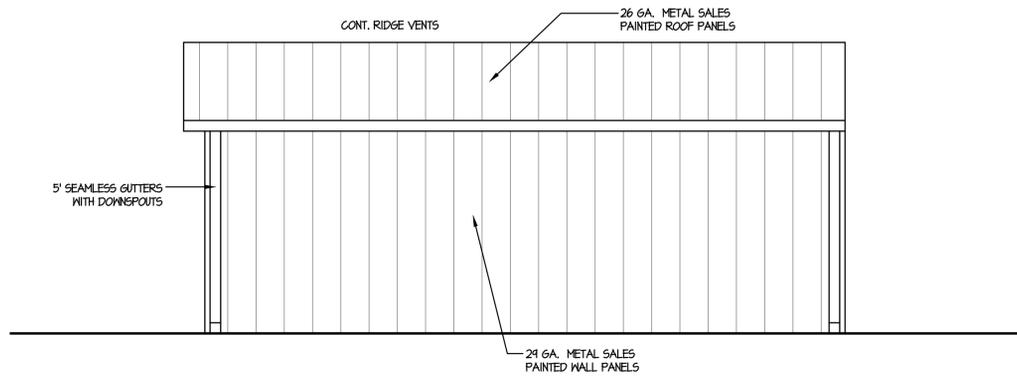


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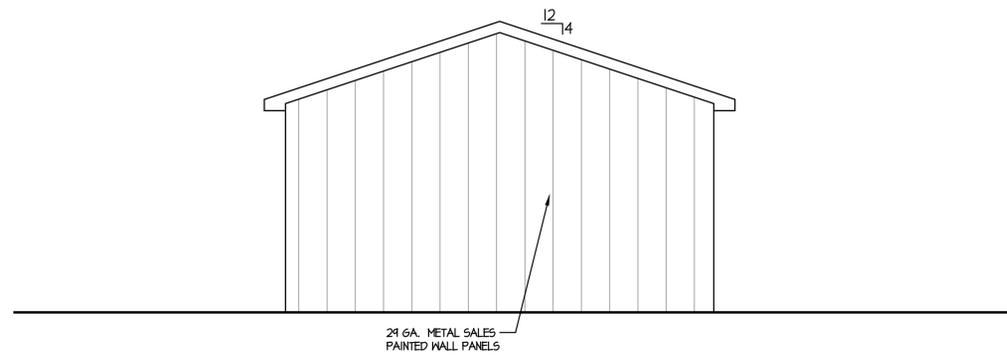


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LEWES, DELAWARE
302-231-2176

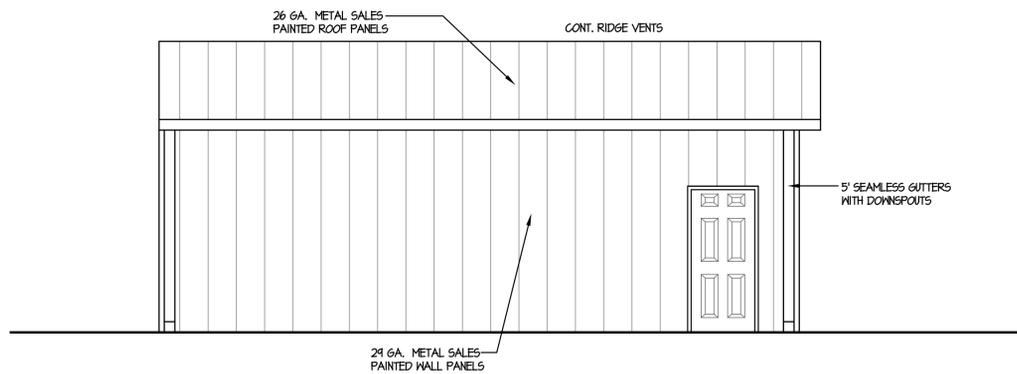
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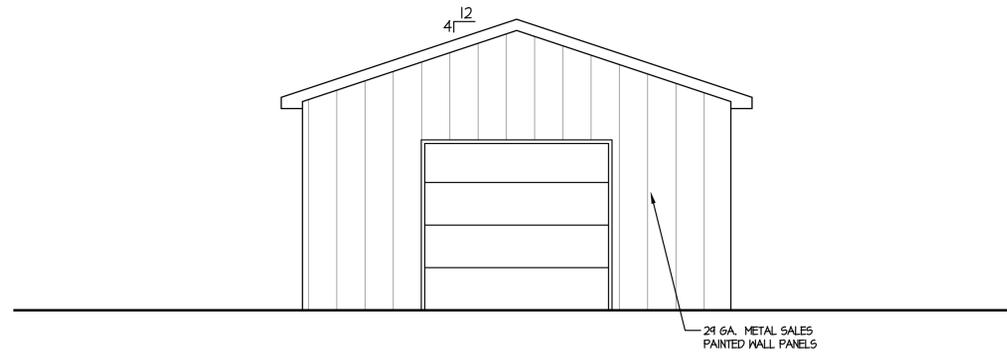
1 FRONT ELEVATION
1/4" = 1'-0"



2 RIGHT SIDE ELEVATION
1/4" = 1'-0"



3 REAR ELEVATION
1/4" = 1'-0"



4 LEFT SIDE ELEVATION
1/4" = 1'-0"



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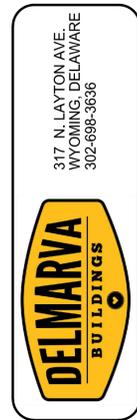
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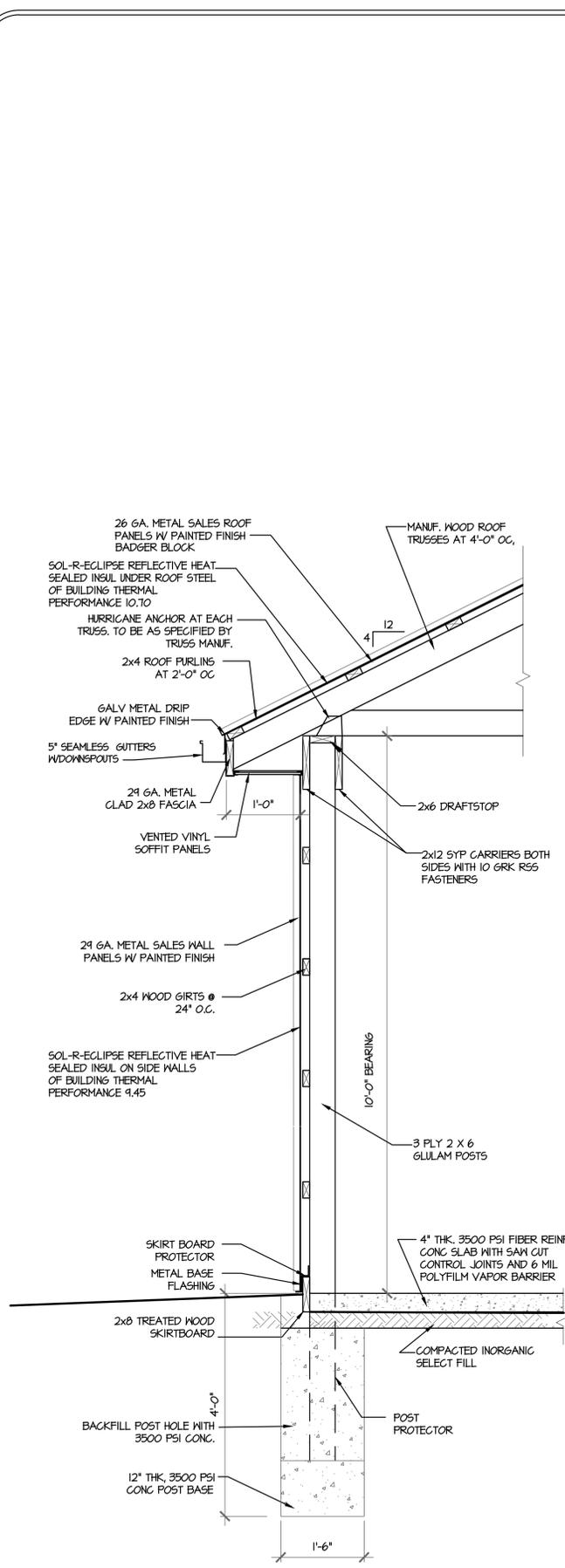
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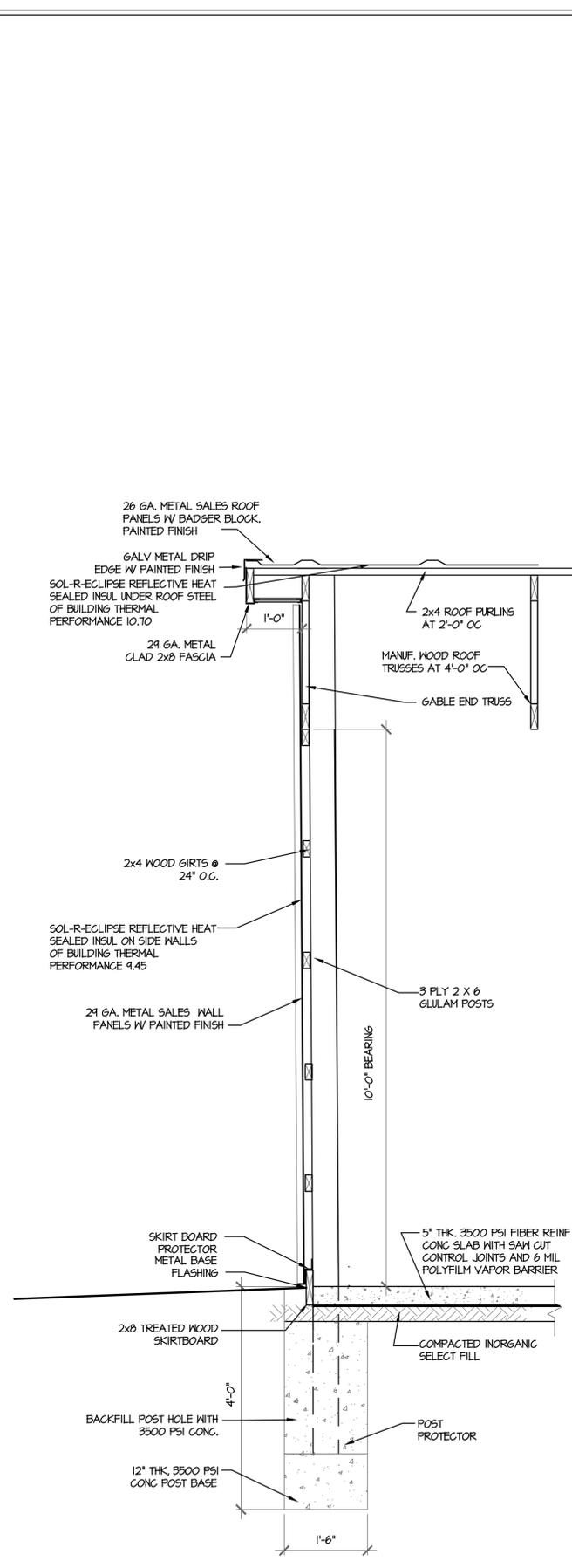
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ARCHITECT, INC.
30093 W. BARRIER REEF BLVD. LEWES, DELAWARE
PHONE: 302-674-1620 302-231-2176

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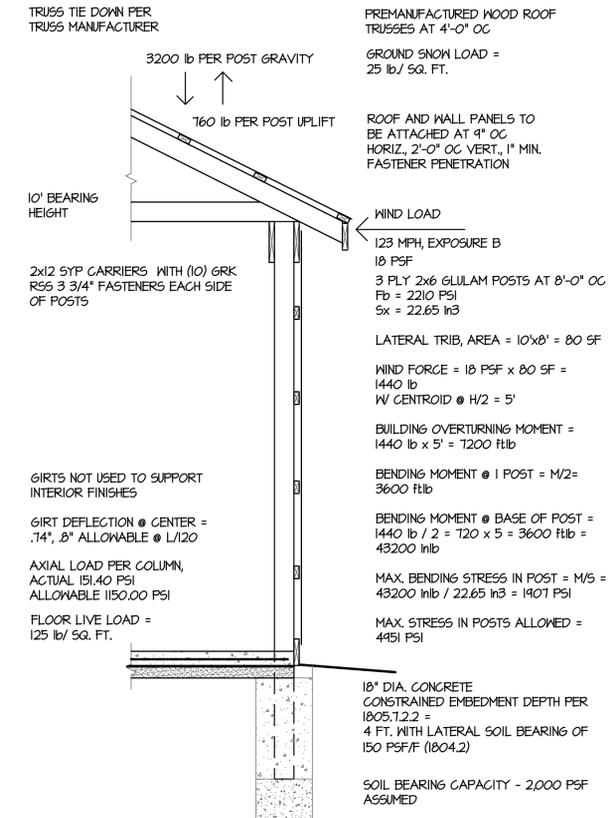
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1 EAVE WALL SECTION
3/4" = 1'-0"



2 GABLE WALL SECTION
3/4" = 1'-0"



3 STRUCTURAL SECTION
3/4" = 1'-0"

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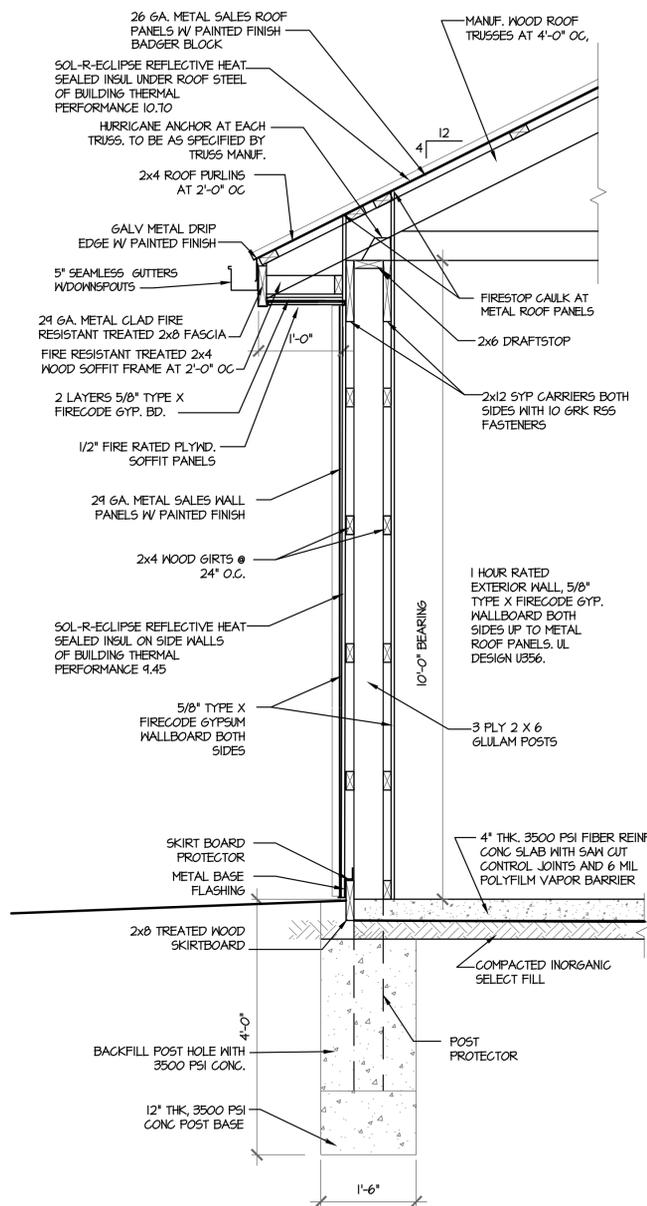
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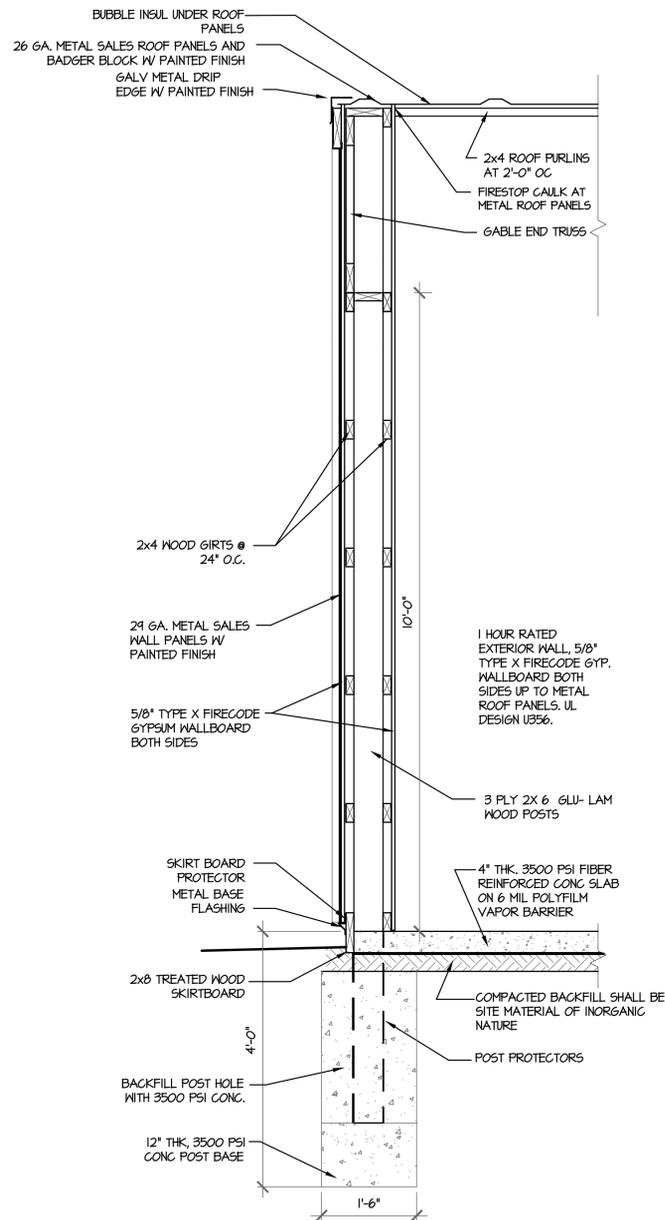
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4 FIRE RATED EAVE WALL SECTION
3/4" = 1'-0"



5 FIRE RATED GABLE WALL SECTION
3/4" = 1'-0"


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W.F.HORN
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